

**Monday 19th October**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-50	Lecture: Introduction to FOS & Molecular Epidemiology	10-19 Introduction to FOS
13:15 - 17:00	V4-50	Practical: Introduction to R I	10-19 Introduction to R

**Tuesday 20th October**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-50	Practical: Introduction to R II	10-19 Introduction to FOS
13:15 - 17:00	V4-50	Practical: Introduction to R III	10-19 Introduction to R

**Wednesday 21st October**

Time	Room	Activity	Assignment
09:15 - 10:00	V4-50	Lecture: Introduction to GWAS	10-21 GWAS
09:15 - 12:30	V4-50	Practical: GWAS I	10-21 GWAS
13:15 - 17:00	V4-50	Practical: GWAS II	10-21 GWAS

**Thursday 22nd October**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-62	Practical: GWAS III	10-21 GWAS
13:15 - 14:00	V4-62	Lecture: Introduction to Transcriptomics	10-22 RNA Sequencing
15:15 - 18:00	V4-62	Practical: Analysis of Expression Data I	10-22 RNA Sequencing

**Friday 23rd October**

Time	Room	Activity	Assignment
09:15 - 10:30	V4-52/56	Practical: Analysis of Expression Data II	10-22 RNA Sequencing
10:30 - 11:15	V4-52/56	Lecture: Finding Genes in Practice	10-23 Finding Genes in Practice
11:15 - 12:30	V4-52/56	Practical: Finding Genes in Practice I	10-23 Finding Genes in Practice
13:15 - 17:00	V4-52/56	Practical: Finding Genes in Practice II	10-23 Finding Genes in Practice

**Monday 26th October**

Time	Room	Activity	Assignment
09:00 - 11:30	Kaltura	Literature: Functional Genomics Post-GWAS	10-26 Functional Genomics Post-GWAS
11:30 - 12:30	Kaltura	Lecture: Functional Genomics	10-26 Functional Genomics Post-GWAS
13:15 - 14:00	V2-34	Lecture: Introduction to the Epigenome	10-26 Epigenetics
14:00 - 17:00	V2-34	Practical: Epigenetic Data I	10-26 Epigenetics

**Tuesday 27th October**

Time	Room	Activity	Assignment
09:00 - 12:30	V4-50	Practical: Epigenetic Data II	10-26 Epigenetics
13:15 - 14:00	V4-50	Practical: Epigenetic Data III	10-26 Epigenetics
14:00 - 15:00	V4-50	Lecture: DNA methylation in Prenatal Famine Exposure	10-26 Epigenetics
15:00 - 17:00	V4-50	Interim Evaluation	-

**Wednesday 28th October**

Time	Room	Activity	Assignment
09:00 - 10:00	Kaltura	Lecture: Metabolomics as Biomarkers	10-28 Metabolomics
10:00 - 12:30	Kaltura	Literature: Metabolomics	10-28 Metabolomics
13:15 - 14:00	V4-50	Lecture: Introduction to Metabolomics	10-28 Metabolomics
14:00 - 17:00	V4-50	Practical: Metabolomics Analysis	10-28 Metabolomics

**Thursday 29th October**

Time	Room	Activity	Assignment
09:15 - 10:00	V3-18/22	Lecture: Clustering	10-29 Clustering
10:00 - 12:30	V3-18/22	Practical: Clustering	10-29 Clustering
13:15 - 14:00	V3-18/22	Lecture: Databases	10-29 Online Database Exploration
14:00 - 17:00	V3-18/22	Practical: Using Online Databases	10-29 Online Database Exploration

**Friday 30th October**

Time	Room	Activity	Assignment
09:00 - 10:00	Kaltura	Lecture: Next Generation Sequencing	10-30 Next Generation Sequencing
10:00 - 11:15		Lab Tour	
11:15 - 12:00	Kaltura	Lecture: Exome and WGA Sequencing	10-30 Exome Sequencing
13:15 - 14:00	V4-50	Practical: Exome Sequencing I	10-30 Exome Sequencing
14:00 - 17:00	V4-50	Practical: Exome Sequencing II	10-30 Exome Sequencing

**Monday 2nd November**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-50	Practical: Single Cell Sequencing	11-02 Single Cell Sequencing
13:15 - 17:00	V4-50	Practical: Single Cell Sequencing	11-02 Single Cell Sequencing

**Tuesday 3rd November**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-18/22	Practical: MR and Integrative Omics	11-03 MR and Integrative Omics
13:30 - 14:00	Kaltura	Lecture: Animal Models of Ageing	11-03 Animal Models of Ageing
14:00 - 17:00	Kaltura	Literature: Animal Models of Ageing	11-03 Animal Models of Ageing

**Wednesday 4th November**

Time	Room	Activity	Assignment
09:15 - 11:00	V4-50	Lecture: Where Does Research Start?	11-04 Project
11:00 - 12:00	V4-50	Project: Formulate a Hypothesis	11-04 Project
13:15 - 17:00	V4-50	Project: Formulate a Hypothesis	11-04 Project

**Thursday 5th November**

Time	Room	Activity	Assignment
09:00 - 11:30	V4-56/68	Project	11-04 Project
11:30 - 12:30	Kaltura	Lecture: Directed Acyclic Graphs	11-04 Project
13:15 - 17:00	V2-44/V4-30	Project: Pilot Data	11-04 Project

**Friday 6th November**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-50	Project: Pilot Data	11-04 Project
13:15 - 17:00	V4-50	Project: Pilot Data	11-04 Project

**Monday 9th November**

Time	Room	Activity	Assignment
09:15 - 12:30	V3-36	Project: Pilot Data	11-04 Project
13:15 - 17:00	V3-36	Project	11-04 Project

**Tuesday 10th November**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-26/30	Project: Write Synopsis	11-04 Project
13:15 - 17:00	V4-26/30	Project: Write Synopsis	11-04 Project

**Wednesday 11th November**

Time	Room	Activity	Assignment
09:15 - 12:30	V4-62	Project: Prepare Presentation	11-04 Project
13:15 - 17:00	V4-62	Project: Prepare Presentation	11-04 Project

**Thursday 12th November**

Time	Room	Activity	Assignment
09:15 - 10:00	V4-50	Project: Finalizing	11-04 Project
10:00 - 12:30	V4-50	Project Defence	11-04 Project
13:15 - 16:30	V4-50	Project Defence	11-04 Project
16:30 - 17:00	V4-50	Looking Back on the Course	

**Friday 13th November**

Time	Room	Activity	Assignment
09:15 - 12:30	V3-46/50, V4-30/46	Peer Discussion of Projects	11-04 Project
13:15 - 15:00	V4-62	Reflective Assignment	